

**PROFESSIONAL ENGINEERS SECTION MEETING
EXAMINING BOARD OF ARCHITECTS, LANDSCAPE ARCHITECTS,
PROFESSIONAL ENGINEERS, DESIGNERS, AND LAND SURVEYORS
The Pioneer Student Center
UW Platteville, Platteville WI
MINUTES
APRIL 22, 2004**

PRESENT: Lynda Farrar, Martin Hanson, and Dale Paczkowski

EXCUSED: Nancy Sobczak

STAFF PRESENT: Jerry Lowrie, Bureau Director; Steven Gloe, Legal Counsel; Pat Schenck, Program Assistant; Jan Bobholz, Credentialing Supervisor; Darwin Tichenor, Exam Specialist

GUESTS: Vice Chancellor Carol Sue Butts, Dr. Lisa Riedle, Associate Professor; Helen Hadorn, Advising & Career Expl. Svcs.; Paula Stauffacher, UWP Placement Svcs.; Dennis Pratt, UWP Placement Svcs.; Paul Combs, Placement/Athletics & Mens Basketball; Kia Hendrickson, Lin Kuhle, Kim Hoeger, Ruth Joyce, and Todd Adrian, Student Recruitment; Marian Maciej-Hiner, Continuing Education; Darla Banfi, Distance Ed-Marketing; Charles Christison, Heidi Tuescher-Gille, and Darla Banfi, Distance Ed-On-Line Course Development

CALL TO ORDER

Lynda Farrar, Chair, called the meeting to order at 9:10 a.m. A quorum of three members was present.

Introductions were made around the table with each person giving a brief background on their profession, interests and experience.

AGENDA

Amendments to agenda:

- Delete Item 4
- Additions under 19. a. and 19. b. - Martin Hanson

MOTION: Martin Hansen moved, seconded by Dale Paczkowski, to approve the agenda as amended. Motion carried unanimously.

APPROVAL OF MINUTES OF FEBRUARY 26, 2004

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to approve the minutes of February 26, 2004 as written. Motion carried unanimously.

INTRODUCTIONS AND OVERVIEWS

Lynda Farrar stated that the Professional Engineers Section meeting at the UWP School of Engineering is productive for faculty and students to learn what the Department of Regulation and Licensing represents and what licensing is all about. The Professional Engineers Section plans to visit a different campus every year for one Section meeting.

Dr. Lisa Riedle welcomed the Section members and staff to the campus and was pleased to have the Professional Engineers Section schedule a meeting at UWP campus. Dr. Riedle reported that UWP has an enrollment of 6,000 students. UWP currently has 1800 undergraduate general engineering students. Class sizes range from 35 to 45 students. Faculty members and not teaching assistants teach classes.

UWP is proud of their retention rate and focus on the whole student by capturing students intellectually inside the classroom as well as outside the classroom. UWP has 200 organizations and clubs run by faculty members. These clubs, organizations, and activities outside of the classroom help students develop as a whole person by building character, self-confidence, learn leadership skills, how to get along with others of difference races colors and background, integrity, and spiritual development on campus. Engineering students are involved in the community by applying knowledge learned in the classroom to work on projects in the community.

Athletic students at UWP do not receive scholarships for athletics. Students play for the love of athletics. One-half of the athletes are Engineers.

The UWP is in the process of recruiting more women and minorities in the engineering field, faculty, as well as students. Many students have studied abroad, and the UWP is looking at exchanging students and professors from other countries. The international experience is essential and a goal for the UWP.

Vice Chancellor Carol Sue Butts reported that the Tri-State Initiative is a result of the State of Wisconsin identifying possible workplace shortfalls in several occupational fields and high school graduates are leveling off. UWP has a target of the number of students they must hit or the state will take away funds from the school. UWP looked at the cost of educating a student. The Board of Regents approved UWP to increase students from the current 6,000 students to 8,000 students. UWP has developed a way to address these shortfalls by attracting more students to the University. The Tri-State Initiative will increase enrollment by 2000 new undergraduate students in 10 years. The target recruitment region for the additional students is Iowa and Illinois, as out-of-state tuition is high for out-of-state students. Beginning in the fall of 2005 eligible Iowa and Illinois students will pay Wisconsin resident tuition and fees plus a \$4,000/year premium. There are 200 openings for the fall of 2005. The UWP has approval to keep all of the tuition money received from Iowa and Illinois. UWP goal is to keep half of the students employed in Wisconsin after graduation.

UWP will build a second Engineering Building in 2007, refurbish the current Engineering Building, and complete another classroom in 2006, and two more residence houses, one in 2006 and another in 2008.

Mr. Hanson reported on UWP many technical programs and stated that the Board is looking at faculty registration but do not require faculty be registered with the Department of Regulation and Licensing. Ninety percent of the faculty at UWP is already licensed.

Mr. Hanson reported that the Boards and the profession look at ethics prior to licensure and questioned how the UWP develops a student regarding ethics. UWP stated that extensive engineering ethics is studied and upper level courses in ethics is a big issue and students are tested on it.

ADMINISTRATIVE REPORT - JERRY LOWRIE, BUREAU DIRECTOR BOARD ROSTER

The Section discussed the public member vacancy and the length of time the Section has been without a Public member. Martin Hanson will contact the Secretary's office in regards to the public member vacancy. Lynda Farrar discussed the steps involved and the process of becoming a Board member prior to Senate Confirmation.

2004 MEETING DATES

The next Professional Engineers meeting is June 24, 2004.

TO-DO-LIST

Noted

SUMMARY OF REPORTS ON PENDING COURT CASES, DISCIPLINARY CASES AND ADMINISTRATIVE RULES AND PRESS RELEASES

Noted.

CHANGE TO BLUE LICENSE (INFORMATION ONLY)

Beginning April 1, 2004 the blue renewal license form and the temporary license form will be changed to be the bottom third of a full-sized sheet of paper. It will have horizontal and vertical perforations so that it can be removed from the rest of the sheet.

The advantages of the new form are:

- use regular laser printers,
- there will be several security features in the paper we are purchasing including the watermark on the back and some invisible fibers,
- ability to print one mailing address at the top of the form and a different physical address on the actual license which will fix those situations where establishments can't get mail at the physical location, and
- it will give the Department some additional sequence numbering above the mailing address that will help in the machine inserting process at the Department of Administration.

UWP-PLATTEVILLE RECRUITER STAFF QUESTION AND ANSWER

The majority of questions received from new student's concerns placement, employment surveys, and the rate of pay they could receive.

The UWP faculty discusses on-line resources, types of engineering, research universities, and professional development beyond the undergraduate level with students.

The following are answers by Section members to questions taken from faculty, staff, and students attending the meeting.

Martin Hanson discussed minimum qualifications for professional engineering practice and the advantages of licensure. Legislation restricts using the term professional engineer unless they have met certain criteria and have a license with the Department of Regulation and Licensing. Licensure establishes the minimum level of competency by examination and experience. The steps to becoming a licensed professional engineer are to attend an accredited school, write the fundamentals exam while in school or after school, develop a history of 4 years of practice under a licensed professional and then apply to the Department of Regulation and Licensing to sit for the principles and practice examination. Based on applicant's expertise, several versions of the examination is offered

NCEES writes and conducts the National Examination and promotes licensing. The advantages of licensure are that engineering firms will look for that credential, applicants are viewed in higher esteem, receive higher pay, are given more responsibilities, and more opportunities will become available to them. Exam score is pass/fail only and is an indication of competency. The Department of Regulation and Licensing ensures competent and safe practice, but does not promote licensure.

Why is licensure not required of every engineer in Wisconsin in order to be called a professional engineer? Requiring everyone practicing engineering to be required to have a license in Wisconsin would be hard to pass through the legislature.

Mr. Paczkowski stated that if you work in the public sector and want to advance to a city engineer position or a public works position, licensure is a criterion the employer looks for on a resume. Only 25% of Engineers practicing in Wisconsin are licensed. Professional engineer stamps are required on projects that affect the public, schools, and public buildings. Designing of products do not require a professional engineer stamp.

Students working in a co-op while in school can count 3/4 of one year toward their experience, and the student can sit for the exam sooner. The transcript must indicate that it is a college-approved co-op. Summer internships can be included in experience hours if listed on the Schools transcripts. Students cannot get credit for experience hours if they are working part-time for an Engineering Company while a student because they are getting credit for being a student.

Ms. Farrar noted that ABET schools are voted on once a year. The Section wants to be sure that the education a student receives has a minimum level of quality and uses ABET as a means of measuring that quality. Applicants that have not attended an approved ABET school or equivalents do apply for licensure but the Section has the authority to accept or reject non-approved ABET schools. The

Section makes individual decisions applicant by applicant by looking at the evaluation of a third party, a résumé, or the practice experience of that person.

Ms. Farrar discussed the upcoming open-book exam on Wisconsin Statutes and Administrative Code. This exam will familiarize the professional engineer with the laws of the State of Wisconsin regulating their profession.

In the afternoon of the fundamentals exam (general engineering), the specialty exam is taken. The student picks his specialty exam on-site at the exam.

The Professional Engineer Section is recommending continuing education. Each Section of the Joint Board will establish continuing education requirements. There are many issues to discuss, course providers, auditing continuing education, number of hours, reciprocity issues regarding continuing education, and making provisions.

Each state has different continuing education requirements as a condition for renewal. NCEES has model language as a National standard for continuing education but some states prefer to use their own. Engineers do tasks in multiple states and have multiple state licenses. The responses received regarding continuing education were either for or totally against it. Continuing education allows the professional to adapt to new technology.

The UW Extension Program in Madison offers continuing education courses. The different specialties in engineering make it more difficult to specify which continuing education courses are required. The Department does not want to make taking continuing education a burden to license holders as this may cause licenses to drop their license if they are not required to have a license in their current position. Mr. Hanson stated that input from potential course providers would be included in the continuing education implementation. How to maintain that continuing education providers are giving creditable courses is a concern.

Is there an opportunity for UWP to serve engineers in continuing education and what can UWP do to help service continuing education? There are three graduate programs and one undergraduate program currently on-line with the UWP. Office of continuing education offers a wide range of classes. These classes provide professional development for continuing education beyond the bachelor's degree. UWP questioned if continuing education courses in engineering would be an avenue that the UWP should be offering, or if they could be of service to engineers off campus. UWP discussed on-line CE courses and home study courses although some prefer one on one contact in taking courses. UWP Platteville students prefer to interact with the subject matter.

Mr. Tichenor reported that we would advertise continuing education courses on our website or in the Regulatory Digest Newsletter if UWP offers continuing education courses.

A-E BOARD REPORT – LYND A FARRAR

Ms. Farrar reported on the A-E Joint Board meeting held on April 15, 2004. The Board elected new officers, Jay Fernholz, Chair, Rick Van Goethem, Vice Chair, and Ruth Johnson as Secretary.

Joint Rules Committee met on April 14, 2004. The Rules committee voted to recommend continuing education and the Joint Board approved. Specifics on continuing education will be left up to each individual Section regarding the number of hours required for continuing education and types of courses required.

Ms. Farrar distributed information on Continuing Education by other states to the Section members.

Ms. Farrar stated that when the Section has something the legislature should act on in the next legislative session Section members should contact legislatures to sponsor and back Bills. The next A-E Joint Rules Committee and Joint Board will be meeting on November 17, 18, 2004. Pat Schenck will send a copy of the A-E Joint Board minutes to all Section members when completed.

**UPDATE ADMINISTRATIVE RULE REVISION FOR COMITY APPLICANTS CH 03-087,
A-E 4.09 PUBLIC HEARING HELD ON 4/14/04**

Information only.

**LEGISLATIVE/ADMINISTRATIVE RULE PRIORITIES
443.09(6) STATUTORY CHANGE REQUIRED PRIOR TO ELIMINATING EXAM REVIEW
A-E 4.08(A)(B)
MANDATORY EXAMINATION
CONTINUING EDUCATION
BARRIER FREE DESIGN
PRINCIPLES & PRACTICE EXAM NAME CHANGE TO STATE JURISDICTIONAL**

Information only.

**LEGISLATIVE REPORT
2003 ASSEMBLY BILL 755 – ELECTRONIC RECORDS, TRANSACTIONS, AND
SIGNATURES**

Mr. Lowrie reported that Assembly Bill 755 was introduced on January 20, 2004, a public hearing was held on January 21, 2004, and an executive action was taken following the public hearing. The committee voted to recommend passage. The Assembly passed the Bill as amended. The Senate Committee on Organizations adopted both amendments. Assembly Bill 755 is a companion bill with Senate Bill 404.

Mr. Hanson indicated that Wisconsin electronic signatures need more clarification.

**EDUCATION/EXAMINATION
EXAM PREPARATION-DARWIN TICHENOR
CALCULATOR POLICY
REFRESHER COURSES**

Mr. Tichenor reported that only four or five candidates showed up at the exam site with a prohibited calculator. Having the policy in place helped to enforce the policy. Candidates that had a prohibited calculator were able to borrow one from other candidates.

REGISTRATION ISSUES BENEFITS OF LICENSURE

Mr. Hanson welcomed the students and gave a brief background on the Engineering Sections purpose. Mr. Hanson stressed that having a credential in professional engineering is a measure of credibility and shows a minimum level of competency, although licensure is not a requirement. Students requiring a professional license should take the fundamentals examination and apply for a license from the Department of Regulation and Licensing.

Mr. Tichenor showed a video put out by NCEES and gave a presentation to fifty graduating civil and environmental students. Mr. Tichenor reported that the steps to licensure include graduating from an approved engineering program, taking and passing the fundamentals exam, acquire engineering experience under the supervision of a licensed engineer, and taking and passing the principles and practice exam. Licensure insures competency to protect the health safety and welfare of the public. NCEES puts out the examination and keeps it up to date. NCEES is part of all State Boards of Engineering.

Mr. Tichenor reported that the test format is an eight-hour closed book examination. 120 questions are multiple-choice. The general engineering questions are in the morning and candidates choose one of seven sections for their afternoon exam, which includes 60 multiple-choice questions. Students who are still in school when they take the fundamentals examination have a higher pass rate. Mr. Tichenor brought brochures for the students on how to study for the exam and which study materials to use.

Mr. Tichenor answered questions from the students in attendance. FE National Exam scores transfer to other states although each state has their own specific requirements. Students must register in a state to take principles and practice examination. Four years of experience is required prior to writing the principles and practice examination. Some states may accept qualified degree plus eight years of experience, although some states will not accept this.

CREDENTIALING INSTRUCTION PACKET LANGUAGE CHANGE – DISCUSSION – JAN BOBHOLZ

Jan Bobholz reported on Form # 463 and changing the months to tenths on the current instruction packet. The Section would like the months moved to hundredths and requested that staff total the number of years of experience on the applicants experience record prior to the Section members reviewing the applications.

COMMON QUESTIONS FIELDLED BY CREDENTIALING DEPARTMENT

The Section reviewed a list of frequently asked questions and answers that will be added to the Departments website in order to eliminate some of the phone calls to Bureau Staff.

TRAVEL
**83RD ANNUAL MEETING FOR THE NCEES AUGUST 11-14, 2004, RENAISSANCE
CLEVELAND HOTEL, CLEVELAND, OH**

Mr. Lowrie will be attending the 2004 NCEES Central Zone Meeting on May 20-22, 2004 in St. Louis, MO. Dale Paczkowski may be attending the 83rd Annual Meeting for the NCEES on August 11-14, 2004.

PRACTICE ISSUES
UNAUTHORIZED PRACTICE OF LAW-UPDATE

Mr. Lowrie reported on the Unauthorized Practice of Law Issue. A Public Hearing was held on March 18, 2004 where there was testimony before the Supreme Court. The State Bar's Mission statement is vague and does not clearly state what they would like to accomplish. Ms. Farrar sent a letter to the Supreme Court and received a letter inviting her to give testimony a week after the Supreme Court Hearing. Mr. Lowrie discussed the State of Washington's practice of law's response.

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to request that Jerry Lowrie write a letter to Secretary Donsia Strong Hill to thank her for the letter she sent to the Supreme Court on the Board's behalf stating that it was a great representation in supporting the Boards. Motion carried unanimously.

NCEES
HAND SCORING OF EXAMINEE ANSWER SHEETS

At the request of several Member Boards, NCEES has initiated a service that will provide a verification of exam scores by hand scoring the examinee answer sheets upon request of the Member Board. A fee of \$75.00 will be assessed for each request. Request for hand scoring will be honored up to sixty (60) days after the release of the examination scores to the Member Boards/Testing Service.

MISCELLANEOUS CORRESPONDENCE/INFORMATION
NEW BUSINESS

None.

BOARD MEMBER ACTIVITY

Mr. Hanson will make a presentation before the WSPE Conference on April 23, 2004.

OTHER

None.

PRESENTATION OF PROPOSED STIPULATIONS BY DIVISION OF ENFORCEMENT

None.

CLOSED SESSION

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to convene to Closed Session to deliberate on cases following hearing (s. 19.85(1)(a), Stats.; to consider licensure or discipline (s. 19.85(1)(b), Stats.; to consider individual histories or disciplinary data (s. 19.85(1)(f), Stats.; and, to confer with legal counsel (s. 19.85(1)(g), Stats. Motion carried by roll call vote: Lynda Farrar-yes, Martin Hanson-yes, Dale Paczkowski-yes.

Open Session recessed at 12:40 p.m.

RECONVENE TO OPEN SESSION

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to reconvene into Open Session at 1:05 p.m. Motion carried unanimously.

VOTE ON ITEMS CONSIDERED OR DELIBERATED UPON IN CLOSED SESSION, IF VOTING IS APPROPRIATE

MONITORING REPORT CASE CLOSINGS STIPULATIONS

None.

ADMINISTRATIVE WARNING 03 ENG 005

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to accept the administrative warning as written for case **03 ENG 005 Pavement Consulting Inc.** Motion carried unanimously.

REINSTATEMENT REQUESTS CEVALLOS-CANDAU, PEDRO J.

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to grant Pedro J. Cevallos-Candau's request for reinstatement. Lynda Farrar voted no. Motion carried unanimously.

RINGLER, PATRICK J.

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to grant Patrick J. Ringler's request for reinstatement. Lynda Farrar voted no. Motion carried unanimously.

WEISS, DOUGLAS W.

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to grant Douglas W. Weiss's request for reinstatement. Lynda Farrar voted no. Motion carried unanimously.

THOMAS, EUGENE

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to grant Eugene Thomas's request for reinstatement. Lynda Farrar voted no. Motion carried unanimously.

LEE, JOHN

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to grant John Lee's request for reinstatement. Lynda Farrar voted no. Motion carried unanimously.

ABDULGHANI, MUSTAFA K.

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to grant Mustafa K. Abdulghani's request for reinstatement. Lynda Farrar voted no. Motion carried unanimously.

DUHAR, HAROLD B.

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to grant Harold B. Duhar's request for reinstatement. Lynda Farrar voted no. Motion carried unanimously.

**REQUEST FOR CLASS 1 REHEARINGS
HORRI, HADI**

The Section reviewed Hadi Horri's request for a rehearing as provided in Section 227.49 Stats. via teleconference concerning his application for a credential as a Professional Engineer.

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to deny Hadi Horri's request for a rehearing. Motion carried unanimously.

CHEVRES, ROBERTO J.

The Section reviewed Roberto J. Chevres's request for a rehearing as provided in Ch. RL 1 of the Administrative Code concerning his application for a credential as a Professional Engineer.

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to deny Roberto J. Chevres's request for a rehearing. Motion carried unanimously.

APPLICATION REVIEW

APPLICATIONS REVIEWED ON APRIL 22, 2004

The Section took the following action on applications:.

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to approve, licensure by approved degree plus eight years experience. Motion carried unanimously.

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to approve the applications as indicated below. Motion carried unanimously.

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to accept denials as indicated below. Motion carried unanimously.

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to approve applications to sit for the Principles and Practice Exam as indicated below. Motion carried unanimously.

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to deny applications to sit for the Principles and Practice Exam as indicated below. Motion carried unanimously.

MOTION: Dale Paczkowski moved, seconded by Martin Hanson, to approve Rohit R. Malani, Bhavin J. Patel, Dipak J. Patel and Pranav J. Shah for registration as an engineer-in-training. Motion carried unanimously.

FOR REGISTRATION AS A PROFESSIONAL ENGINEER

1. By 8 Hour Written Examination

- a. Granted
 - 1. Bachh, Muneer M
 - 2. Shapiro, Yuriy

2. By 16 Hour Written Examination

- a. Granted
 - 1. Lefebvre, Paul F
 - 2. Ruppin, Richard C

3. By Approved Degree Plus 8 Years Experience

- a. Granted

1. Bacalzo, Steven
 2. Bitant, Jeffery L
 3. Heitz, Graham A
 4. Kloth, Ryan W
 5. Koutnik, William M
 6. Maeder, Christopher
 7. Savin, Shane S
 8. Weber, Todd M
 9. Yute, Douglas H
- b. Deny
1. Koepp, Thomas
 2. Payne, Michael

FOR PRINCIPLES AND PRACTICE OF ENGINEERING EXAMINATION

- a. Granted
1. Dexter, Ryan J
 2. Krizenesky, Thomas G
 3. Kutz, Paul W
 4. Mustafa, Mahamid A
 5. Oyewole, Yemi O
 6. Schanhofer, Ryan B
 7. Villacin, Jose R
- b. Deny
1. Chen, Bin
 2. Fanuel, Adugna
 3. Shaw, James

FOR REGISTRATION AS AN ENGINEER- IN- TRAINING

- a. Granted
1. Malani, Rohit R
 2. Patel, Bhavin J
 3. Patel, Dipak J
 4. Shah, Pranav J

EXAMINATION ISSUES

None

SUCH OTHER ITEMS AS AUTHORIZED BY LAW

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to invite Professor Jeffrey Russell from UWP to the next Sections meeting scheduled on June 24, 2004. Motion carried unanimously.

ADJOURNMENT

MOTION: Martin Hanson moved, seconded by Dale Paczkowski, to adjourn the meeting at 2:20 p.m. Motion carried unanimously.

Next Engineer Section Meeting: June 24, 2004